The University of Western Sydney has progressively built a research-rich environment and a research profile of national and international standing. Our research programs reflect our distinctive strengths and orientation to practical knowledge, as is reflected in our maxim “Bringing Knowledge to Life”. UWS is a source of creativity and new knowledge that is relevant, robust and contributes to individual and community development.
The University of Western Sydney values and is characterised by excellence in community engagement in Greater Western Sydney. We are committed to the application of our research to contemporary problems and to forming partnerships with communities which are mutually enriching.

At UWS we strive to make our research applied and relevant not only to what we teach, but also to the industries, businesses, community and government of the region of Greater Western Sydney and beyond.

Why do businesses come to UWS?

Australia’s industries and workplaces are becoming increasingly sophisticated, generating wealth through knowledge and innovation, and deriving competitive advantage from skill and creativity. Businesses that can achieve high levels of performance in innovation will be well placed to be leaders in the future.

With six teaching campuses located across the Greater Western Sydney region, the University is well placed for collaboration with businesses across this geographic area. We are increasingly recognised for our capacity to carry out successful collaborative research and consultancy partnerships and for our work with partners from industry and from the government and community sectors.

The University is increasingly taking its expertise to the global market and is engaged in various activities in the Asian Pacific region.

UWS Specialist Research Centres include the Centre for Industry and Innovation Studies; Centre for Cultural Research; Centre for Educational Research; MARCS Auditory Laboratories; Social Justice and Social Change Research Centre; Centre for Complementary Medicine; Centre for Plant and Food Science; and the Urban Research Centre. UWS can take on projects from external organisations that are thought of as being too difficult for other consulting companies.

Services offered by UWS Innovation and Consulting

- Individual consulting
- Project management
- Business process review
- Short courses customised to industry needs
- Organisational development
- Capacity building
- Equipment/technology access
- Product testing
- Pre-clinical trials
- Expert witness
- Legal consulting services
- Commercialisation
- Clinical trial design
- Policy development

"UWS is proud to employ the experts who are training experts of the future"
Our engagement with industry and government ranges from providing advice and services that can resolve immediate problems, to long-term collaborations in research projects of mutual interest and benefit.

Companies have access to an impressive breadth of responsive and professional consultancy expertise. UWS has academics interested in partnering with business who are experts in the following consulting fields:

### Consultancy

**Schools**

**Centre**

**Area of expertise**

**Engineering**
- fire safety engineering; mechatronics; large structure compression testing; rapid prototyping; higher level structural engineering consulting; forensic engineering

**Natural Sciences**
- paint and polymer analysis; forensic photography and imaging; CCTV identification; crime scene investigation including bloodstain pattern recognition, footprint evidence, etc; Occupational and Environmental Hygiene; Monitoring including air, noise and bioaerosol monitoring; environmental issues; environmental noise monitoring; occupational health and safety; materials synthesis, analysis and testing of materials, minerals and geological samples; chromatographic separations and drug profiling; water quality assessment and environmental monitoring

**ComputMed**
- herbal medicine quality assurance testing; scientific validation of safety and efficacy of herbal medicine products

**Biomedical & Health Sciences**
- functional genomics and systems biology for industry and medicine; novel biomolecules and antioxidants; flavour analyses; anticancer drug screening; identification of molecular mechanisms in response to drugs and industrial processes

**Centre for Plant & Food Science**
- natural and productive plant systems; plant production systems; integrated pest management systems; mineral oil and spray bait technologies; microencapsulation; waste minimisation and re-use

**Computing & Maths**
- statistical analysis; computer modelling; database design; data mining - analytics and predictive modelling; combinatorics; data structures and algorithms; social computing and virtual communities; entertainment computing; computer forensics; recreational mathematics

**Medicine**
- population health

**Psychology**
- human factors training

**Humanities & Languages**
- forensic linguistics

**Education**
- professional learning for teachers; products and interventions; mentoring; portfolios and learning plans; professional standards; educational publishing and learning resources; literacies and learning difficulties; Pacific Islander education; student and community learning and engagement; gifted and talented education

**Economics & Finance**
- commercial property valuation; business finance; quantitative analysis; Asia-Pacific development issues; microeconomics and macroeconomic analysis

**Law**
- elder law; corporate law; indigenous law; tax (not for profit) and medico-legal

**Management**
- executive management training; management audits; organisation development; strategy and process evolution; governance; professional firm development; logistics, supply chain and innovation management

**Marketing**
- SMEs; branding; international marketing; e-commerce; market research; marketing plans

**Urban Research Centre**
- industrial and office park development; labour market and demographic change analysis; housing affordability and sustainability; public space and design; residential development
UWS aims to provide a research-rich environment, valued for the quality, distinctive and impact of its research programs and training, and their ability to enrich its teaching and community engagement. Projects with UWS can vary from as short as a couple of days to as long as a couple of years. Depending on your needs, we can put you in touch with an individual specialist or form a specialist project team. UWS is proud to employ the experts who trained the external experts.

UWS conducts research that supports the sustainable development of urban and rural regions, the new economy, cultural life and professional practice. We are committed to the application of our research to contemporary problems and to forming partnerships with our communities which are mutually enriching. UWS is investing further in its research capacity with a $50 million injection of funds into research over the next 10 years. The aim is to double research activity across this period.

Synergy between UWS research staff and external organisations is also achieved through joint commercialisation projects for new technologies and research innovations. These projects frequently lead to the establishment of commercial ventures, collaborative partnerships and spin-off companies.

Why not find out how your business could benefit from our world-class expertise in a comprehensive range of research areas.

Recent research collaborations include:

- Carbon Stronger than Steel – using synchrotron radiation as a characterisation tool to help make revolutionary materials out of carbon
- Super Strategies Revealed – how superannuation funds make decisions about investing in property
- Analyzing Aviation Safety – improving the analysis of aircraft accidents and incidents
- Building for the Future – improving the safety and stability of wall and ceiling building components
- Reading for Life – testing the impact of a new reading intervention to help young children experiencing reading difficulties reach their full potential
- Access All Hours – improving access to after-hours medical care in Western Sydney
- Stopping Rot in Olives – ensuring safe fungicidal management of berry rot disease in olives
- Tracks of my Tears – solving the pain of dry eyes
- Yeast and its Genome – using functional genomics to make better beer, wine and bread

Recent business collaborations partners:
- Woolworths Ltd – training courses
- James Hardie – management training
- Valeant Pharmaceuticals P/L – herbal testing
- Horticulture Australia Ltd – fruit grading
- Foster’s Australia Ltd – the science of better beer and wine

‘UWS manufactures no licensed products, we have no ties to any corporations, and we carry out partnership projects in strict confidence’
Research

UWS aims to provide a research-rich environment, valued for the quality, distinctiveness and impact of its research programs and training, and their ability to enrich its teaching and community engagement. Projects with UWS can vary from short as a couple of days to as long as a couple of years. Depending on your needs, we can put you in touch with an individual specialist or form a specialist project team. UWS is proud to employ the staff who trained the external experts.

UWS conducts research that supports the sustainable development of urban and rural regions, the new economy, cultural life and professional practice. We are committed to the application of our research to contemporary problems and to forming partnerships with our communities which are mutually enriching. UWS is investing further in its research capacity with a $50 million injection of funds into research over the next 10 years. The injection provides the University with the ability to enrich its teaching and research programs and training, and improves the quality, distinctiveness and impact of its education, research and community engagement.

Recent research collaborations include:
- Carbon Stronger than Steel – using synchrotron radiation as a characterisation tool to help make revolutionary materials out of carbon
- Super Strategies Revealed – how superannuation funds make decisions about investing in property
- Analysing Aviation Safety – improving the analysis of aircraft accidents and their ability to enrich its teaching and training
- Building for the Future – improving the safety and reliability of wall and ceiling building components
- Reading for Life – testing the impact of new reading intervention to help young children experiencing reading difficulties reach their full potential
- Access All Hours – improving access to after-hour medical care in Western Sydney
- Stoping Rot in Olives – ensuring the sustainable development of urban and rural regions
- Yields and its Genome – using functional genomics to make better beer and wine
- tracks of my tears
- of dry eyes
- of the knowledge of what is going on
- of the issues your business is facing.
- of the largest universities in Australia with more than 160,000 students. UWS is one of the two universities established in 2001.

Doing Business with the University of Western Sydney

What we offer

Laboratory Equipment available for access

UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

What UWS can offer businesses

UWS is committed to undertaking research in areas that fit with the interests of business. We can provide the expertise to support the successful design and innovation of improved products and processes. UWS is home to state-of-the-art facilities available for access.

Recent business collaborations partners:
- Woolworths Ltd – training courses
- DP – chemical testing
- James Hardy - management training
- Valeant Pharmaceuticals P/L – medical testing
- Horticulture Australia Ltd – fruit grading
- Foster’s Australia Ltd – the science of better beer and wine

How to become involved as a partner with UWS

UWS operates commercial engagement with partners. The University of Western Sydney and consulting. The University of Western Sydney is one of the largest universities in Australia with more than 160,000 students. UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

The University of Western Sydney (UWS) began in January 1989 as two existing colleges of advanced education, Hawkesbury Institute of Higher Education and the Macarthur Institute of Higher Education, which joined to form the University of Western Sydney. The Hawkesbury Institute of Higher Education was established in 1967, the Macarthur Institute in 1977.

UWS Innovation and Consulting

Laboratory Equipment available for access

UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

What UWS can offer businesses

UWS is committed to undertaking research in areas that fit with the interests of business. We can provide the expertise to support the successful design and innovation of improved products and processes. UWS is home to state-of-the-art facilities available for access.

Recent business collaborations partners:
- Woolworths Ltd – training courses
- DP – chemical testing
- James Hardy - management training
- Valeant Pharmaceuticals P/L – medical testing
- Horticulture Australia Ltd – fruit grading
- Foster’s Australia Ltd – the science of better beer and wine

How to become involved as a partner with UWS

UWS operates commercial engagement with partners. The University of Western Sydney and consulting. The University of Western Sydney is one of the largest universities in Australia with more than 160,000 students. UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

The University of Western Sydney (UWS) began in January 1989 as two existing colleges of advanced education, Hawkesbury Institute of Higher Education and the Macarthur Institute of Higher Education, which joined to form the University of Western Sydney. The Hawkesbury Institute of Higher Education was established in 1967, the Macarthur Institute in 1977.

UWS Innovation and Consulting

Laboratory Equipment available for access

UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

What UWS can offer businesses

UWS is committed to undertaking research in areas that fit with the interests of business. We can provide the expertise to support the successful design and innovation of improved products and processes. UWS is home to state-of-the-art facilities available for access.

Recent business collaborations partners:
- Woolworths Ltd – training courses
- DP – chemical testing
- James Hardy - management training
- Valeant Pharmaceuticals P/L – medical testing
- Horticulture Australia Ltd – fruit grading
- Foster’s Australia Ltd – the science of better beer and wine

How to become involved as a partner with UWS

UWS operates commercial engagement with partners. The University of Western Sydney and consulting. The University of Western Sydney is one of the largest universities in Australia with more than 160,000 students. UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

The University of Western Sydney (UWS) began in January 1989 as two existing colleges of advanced education, Hawkesbury Institute of Higher Education and the Macarthur Institute of Higher Education, which joined to form the University of Western Sydney. The Hawkesbury Institute of Higher Education was established in 1967, the Macarthur Institute in 1977.

UWS Innovation and Consulting

Laboratory Equipment available for access

UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

What UWS can offer businesses

UWS is committed to undertaking research in areas that fit with the interests of business. We can provide the expertise to support the successful design and innovation of improved products and processes. UWS is home to state-of-the-art facilities available for access.

Recent business collaborations partners:
- Woolworths Ltd – training courses
- DP – chemical testing
- James Hardy - management training
- Valeant Pharmaceuticals P/L – medical testing
- Horticulture Australia Ltd – fruit grading
- Foster’s Australia Ltd – the science of better beer and wine

How to become involved as a partner with UWS

UWS operates commercial engagement with partners. The University of Western Sydney and consulting. The University of Western Sydney is one of the largest universities in Australia with more than 160,000 students. UWS is home to state-of-the-art equipment. Our nuclear magnetic resonance facility is a national leader and our confocal bio-imaging facility is unique in Australia. UWS’s high-end field emission scanning electron microscope (FEDSEM) offers ultra high resolution and our thermal analysis equipment can provide a broad range of R&D problems. Tissue culture facilities, food technology and processing, rapid prototyping and construction technology research laboratory facilities are among a host of facilities available for use in external collaborations.

The University of Western Sydney (UWS) began in January 1989 as two existing colleges of advanced education, Hawkesbury Institute of Higher Education and the Macarthur Institute of Higher Education, which joined to form the University of Western Sydney. The Hawkesbury Institute of Higher Education was established in 1967, the Macarthur Institute in 1977.